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TITLE: Supercritical CO2 extraction process of  
effective  
medicine component in Rhizoma Ligustici  
chuanxiong

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PATENT-ASSIGNEE: SOUTHWEST CHINA DESIGN INST CHEM ENG MIN[SWCHN]

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CN 1098099 C	January 8, 2003	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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CN 1098099C	N/A	1999CN-0117380
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ABSTRACTED-PUB-NO: CN 1256143A

BASIC-ABSTRACT:

Process: Rhizoma Ligustici Chuanxiong root and stem is extracted and separated through counter-current circular supercritical CO2 extraction process. The main technological processes include cutting Rhizoma Ligustici Chuanxiong root and stem into 0.3-1.0 mm size grains; extraction in extractor at 32-70 deg.c temperature and 15-42 MPa pressure with the mass ratio between

extracted  
material and CO2 consumption per hour being 1 to 4-20, the mass ratio  
between  
extracting additive and CO2 consumption per hour being 1 to 0.05-0.10  
and  
extraction period being 2-16 hr; and depression separation of CO2  
rich  
inextracted matters in one or several separators to obtain  
destination matter  
containing different effective components in Rhizoma Ligustici  
Chuanxiong. The  
method can obtain volatile Rhizoma LigusticiChuanxiong oil and low-  
volatility  
Rhizoma Ligustici Chuanxiong components in one identical operation  
period.

CHOSEN-DRAWING: Dwg.0

TITLE-TERMS: SUPERCRITICAL EXTRACT PROCESS EFFECT MEDICINE COMPONENT  
RHIZOMA

DERWENT-CLASS: B04

CPI-CODES: B04-A10; B11-B;

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